

## PATENT ABSTRACTS OF JAPAN

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(54) EQUIPMENT AUTHENTICATION SYSTEM AND EQUIPMENT AUTHENTICATION METHOD

(57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an equipment authentication system for certain equipment to securely specify the other equipment included in the same group as the present equipment when all the equipment are equal since it is estimated that processing such as copy or move of contents is permitted only within a certain fixed range when performing such processing among a plurality of equipments.

**SOLUTION:** Transmission data 103 to be transmitted from a first equipment 101 is composed of random information 103a and a checksum 103b enciphered by common information, and transmitted to a second equipment 102. The second equipment 102 receives the transmission data 103 and returns reply data 104 composed of an answer message 104a and a checksum 104b enciphered by the random information 103a to the first equipment 101.

